

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/15/2019 11:19 AM
Cytometer Baseline: 04/24/2019 12:37 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123190	-2	3.01	123278	3.00
Blue	F	SSC	125000	123187	-2	1.83	124026	1.84
Blue	E	FITC	16122	15457	-5	3.15	334	20.31
Blue	D	PE	29316	28576	-3	2.59	621	14.57
Blue	B	PerCP-Cy5-5	42590	41643	-3	3.96	1123	20.17
Blue	A	PE-Cy7	33146	33209	0	6.57	635	40.27
Red	C	APC	45473	44571	-2	2.75	1580	12.07
Red	A	APC-Cy7	31961	30532	-5	2.98	804	12.41
Violet	B	V450	7914	7604	-4	4.17	424	13.54
Violet	A	V500	29769	28738	-4	3.82	668	10.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20942	4.13	606	6	N/A	N/A	Pass
Blue	F	SSC	55706	1.74	542	4	N/A	N/A	Pass
Blue	E	FITC	61	66.72	537	0	0.0205	194	Pass
Blue	D	PE	131	49.99	540	3	0.1839	332	Pass
Blue	B	PerCP-Cy5-5	204	49.79	641	3	0.0093	63	Pass
Blue	A	PE-Cy7	117	100.12	697	6	0.0113	17	Pass
Red	C	APC	375	25.19	584	5	0.0250	160	Pass
Red	A	APC-Cy7	178	29.05	560	4	0.0052	762	Pass
Violet	B	V450	65	64.17	465	5	0.0530	2597	Pass
Violet	A	V500	99	38.86	477	5	0.0234	1587	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/15/2019 11:19 AM
Cytometer Baseline: 04/24/2019 12:37 PM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.80	-31.58	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	16.46	13.60 - 20.40	N/A	N/A	29.23	29.56	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10471

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments